



FORM - 1449

SHEET 1 OF 1

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

2003B115

SERIAL NO.

10/712,952

APPLICANT

Xu et al.

FILING DATE

November 12, 2003

GROUP

1764

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|--------------------|---------|---------------|-------|----------|-------------------------------|
| JB | AA | 5,817,907 | 10/6/98 | Benazzi et al | 585 | 671 | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | PUBL DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|----|----|--------------------|--------------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| JB | AL | EP 0 054 375 | 23.06.82 | Europe | C 07 | C 1/20 | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

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| | AP | |
| | AQ | |

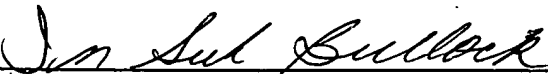
EXAMINER

Jm Suk Bullock

DATE CONSIDERED

8/31/05

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| | | | | | 2003B115 | | Unassigned | |
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| | | | | | Xu et al. | | | |
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| Herewith | | Unassigned | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| | AA | 4,677,242 | 06/30/87 | Kaiser | 585 | 638 | | |
| JB | AB | 6,046,372 | 04/04/00 | Brown et al. | 585 | 640 | | |
| | AC | 6,051,746 | 04/18/00 | Sun et al. | 585 | 639 | | |
| | AD | 6,137,022 | 10/24/00 | Kuechler et al. | 585 | 638 | | |
| | AE | 6,225,254 | 05/01/01 | Janssen et al. | 502 | 214 | | |
| ↓ | AF | 6,436,869 | 08/20/02 | Searle et al. | 502 | 214 | | |
| JB | AG | 6,437,208 | 08/20/02 | Kuechler et al. | 585 | 640 | | |
| | AH | | | | | | | |
| | AI | | | | | | | |
| | AJ | | | | | | | |
| | AK | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | | DOCUMENT NUMBER | PUBL. DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | | YES | NO |
| JB | AL | WO 01/62382 | 08/30/01 | PCT | B01J | 29/00 | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.) | | | | | | | | |
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| | 2003B115 | 10/712,952 |
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| | Xu et al. | |
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| | 11/12/03 | Unassigned |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|--------------------|------|------|-------|----------|-------------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

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|----|----|---|
| JB | AF | Kolboe, S., "Methanol Reactions on ZSM-5 and Other Zeolite Catalysts: Autocatalysis and Reaction Mechanism", Acta Chem. Scand. A 40 (1986), pp. 711-713. |
| | AG | Kolboe, S., "On the Mechanism of Hydrocarbon Formation from Methanol Over Protonated Zeolites", Methane Conversion, Elsevier Science: Amsterdam, (1988), pp. 189-193. |
| | AH | Dahl, I. M. et al., "On the Reaction Mechanism for Hydrocarbon Formation from Methanol over SAPO-34 - 1. Isotopic Labeling Studies of the Co-reaction of Ethene and Methanol", J. Catal. 149 (1994), 749, pp.458-464. |
| | AI | Dahl, I.M. et al., "On the Reaction Mechanism for Hydrocarbon Formation from Methanol over SAPO-34 - 2. Isotopic Labeling Studies of the Co-reaction of Propene and Methanol", J. Catal. 161 (1996), 161, pp. 304-309 |
| | AJ | Song, W.G. et al, "Methylbenzenes Are the Organic Reaction Centers for Methanol-to-Olefin Catalysis on HSAPO-34", J. Am. Chem. Soc. (2000), 122, pp.10726-10727. |
| | AK | Song, W.G. et al, "Supramolecular Origins of Product Selectivity for Methanol-to-Olefin Catalysis on HSAPO-34", J. Am. Chem. Soc. (2001), 123, pp. 4749-4754. |
| | AL | Haw, J.F. et al., "Roles for Cyclopentenyl Cations in the Synthesis of Hydrocarbons from Methanol on Zeolite Catalyst HZSM-5", J. Am. Chem. Soc. (2000), 122, pp. 4763-4775. |
| | AM | Arstad, B. et al., "The Reactivity of Molecules Trapped within the SAPO-34 Cavities in the Methanol-to-Hydrocarbons Reaction", J. Am. Chem. Soc. (2001), 123, pp. 8137-8138 |
| | AN | Xu, T. et al., "Toward a Systematic Chemistry of Organic Reactions in Zeolites: In Situ NMR Studies of Ketones", J. Am. Chem. Soc. (1994), 776, pp.1962-1972. |
| JB | AO | Song, W.G. et al, "A Persistent Carbenium Ion on the Methanol-to-Olefin Catalyst HSAPO-34: Acetone Shows the Way", J. Phys. Chem. B (2001), 105, pp. 4317-4323. |

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8/31/05

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